

INTERNATIONAL SEARCH REPORT

National Application No

PCT/US2005/007651

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/01 A61K31/015 A61K31/07 A23L1/30 A61P39/06
A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61L A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS, MEDLINE, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2005/027950 A (RAY AND TERRY'S HEALTH PRODUCTS, INC; GROSSMAN, TERRY; KURZWEIL, RAYMO) 31 March 2005 (2005-03-31) page P, lines 21-30; claim 1	1,3-8, 13-16, 19,20
X	WO 01/17519 A (COGNIS DEUTSCHLAND GMBH; GAERTNER, CHRISTINE; STAHL, WILHELM; HEINRICH) 15 March 2001 (2001-03-15) claims	1-20
X	EP 0 981 969 A (BASF AKTIENGESELLSCHAFT) 1 March 2000 (2000-03-01) claims	1-6



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

20 May 2005

Date of mailing of the international search report

31/05/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	STAHL W ET AL: "Carotenoid mixtures protect multilamellar liposomes against oxidative damage: Synergistic effects of lycopene and lutein" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 427, no. 2, 8 May 1998 (1998-05-08), pages 305-308, XP002082207 ISSN: 0014-5793 page 307, left-hand column, line 14 - right-hand column, line 9	1-20
X	"LUTEIN LYCOPENE CAROTENE COMPLEX VEGICAPS" Online! 3 March 1998 (1998-03-03), XP002125651 Retrieved from the Internet: URL:www.solgar.com/online_reference/beta_carotene/lutein.html> the whole document	1-7
X	DE 101 09 798 A1 (AVENTIS PHARMA DEUTSCHLAND GMBH) 12 September 2002 (2002-09-12) claims 1-24	1-20
P,X	WO 2004/108869 A (CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS; GARCIA MARTOS, JOSE M) 16 December 2004 (2004-12-16) claims	6,7
X	DATABASE WPI Section Ch, Week 200260 Derwent Publications Ltd., London, GB; Class B07, AN 2002-560763 XP002230968 & JP 2002 128651 A (KOSE KK) 9 May 2002 (2002-05-09) abstract	1-20

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Information on patent family members

International Application No

PCT/US2005/007651

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2005027950	A	31-03-2005	WO 2005027950 A1	31-03-2005
WO 0117519	A	15-03-2001	DE 19942774 A1	15-03-2001
			AT 254912 T	15-12-2003
			AU 772825 B2	06-05-2004
			AU 7281300 A	10-04-2001
			DE 50004582 D1	08-01-2004
			DK 1210073 T3	05-04-2004
			WO 0117519 A1	15-03-2001
			EP 1210073 A1	05-06-2002
			ES 2211597 T3	16-07-2004
			JP 2003508485 T	04-03-2003
			US 2005031557 A1	10-02-2005
EP 0981969	A	01-03-2000	DE 19838636 A1	02-03-2000
			CA 2280629 A1	26-02-2000
			CN 1251745 A ,C	03-05-2000
			EP 0981969 A1	01-03-2000
			JP 2000086505 A	28-03-2000
			KR 2000017541 A	25-03-2000
			US 2003031706 A1	13-02-2003
			US 6261598 B1	17-07-2001
			US 2001019724 A1	06-09-2001
DE 10109798	A1	12-09-2002	AU 2193402 A	24-06-2002
			WO 0247493 A2	20-06-2002
			EP 1355539 A2	29-10-2003
			JP 2004515508 T	27-05-2004
			US 2002146463 A1	10-10-2002
WO 2004108869	A	16-12-2004	ES 2221575 A1	16-12-2004
			WO 2004108869 A1	16-12-2004
JP 2002128651	A	09-05-2002	NONE	

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